SEQUENCE LISTING

<110> Buser-Doepner, Carolyn A.
      Coleman, Paul J.
      Cox, Christopher D.
      Fraley, Mark E.
      Garbaccio, Robert M.
      Hartman, George D.
      Heimbrook, David C.
      Huber, Hans E.
      Kuo, Lawrence C.
      Sardana, Vinod V.
      Torrent, Maricel
      Youwei, Yan

<120> MITOTIC KINESIN BINDING SITE

<130> 21125YP

<140> PCT/US03/21145
<141> 2003-07-03

<150> 60/394,313
<151> 2002-07-08

<160> 1

<170> FastSEQ for Windows Version 4.0

<210> 1
<211> 368
<212> PRT
<213> human

<400> 1
Met Ala Ser Gln Pro Asn Ser Ser Ala Lys Lys Lys Glu Glu Lys Gly
1   5   10   15
Lys Asn Ile Gln Val Val Val Arg Cys Arg Pro Phe Asn Leu Ala Glu
            20   25   30
Arg Lys Ala Ser Ala His Ser Ile Val Glu Cys Asp Pro Val Arg Lys
        35   40   45
Glu Val Ser Val Arg Thr Gly Gly Leu Ala Asp Lys Ser Ser Arg Lys
    50   55   60
Thr Tyr Thr Phe Asp Met Val Phe Gly Ala Ser Thr Lys Gln Ile Asp
65   70   75   80
Val Tyr Arg Ser Val Val Cys Pro Ile Leu Asp Glu Val Ile Met Gly
                85   90   95
Tyr Asn Cys Thr Ile Phe Ala Tyr Gly Gln Thr Gly Thr Gly Lys Thr
            100   105   110
Phe Thr Met Glu Gly Glu Arg Ser Pro Asn Glu Glu Tyr Thr Trp Glu
        115   120   125
Glu Asp Pro Leu Ala Gly Ile Ile Pro Arg Thr Leu His Gln Ile Phe

```
            130                    135                    140
Glu Lys Leu Thr Asp Asn Gly Thr Glu Phe Ser Val Lys Val Ser Leu
145                    150                    155                    160
Leu Glu Ile Tyr Asn Glu Glu Leu Phe Asp Leu Leu Asn Pro Ser Ser
                   165                    170                    175
Asp Val Ser Glu Arg Leu Gln Met Phe Asp Asp Pro Arg Asn Lys Arg
                   180                    185                    190
Gly Val Ile Ile Lys Gly Leu Glu Glu Ile Thr Val His Asn Lys Asp
                   195                    200                    205
Glu Val Tyr Gln Ile Leu Glu Lys Gly Ala Ala Lys Arg Thr Thr Ala
        210                    215                    220
Ala Thr Leu Met Asn Ala Tyr Ser Ser Arg Ser His Ser Val Phe Ser
225                    230                    235                    240
Val Thr Ile His Met Lys Glu Thr Thr Ile Asp Gly Glu Glu Leu Val
                   245                    250                    255
Lys Ile Gly Lys Leu Asn Leu Val Asp Leu Ala Gly Ser Glu Asn Ile
                   260                    265                    270
Gly Arg Ser Gly Ala Val Asp Lys Arg Ala Arg Glu Ala Gly Asn Ile
                   275                    280                    285
Asn Gln Ser Leu Leu Thr Leu Gly Arg Val Ile Thr Ala Leu Val Glu
        290                    295                    300
Arg Thr Pro His Val Pro Tyr Arg Glu Ser Lys Leu Thr Arg Ile Leu
305                    310                    315                    320
Gln Asp Ser Leu Gly Gly Arg Thr Arg Thr Ser Ile Ile Ala Thr Ile
                   325                    330                    335
Ser Pro Ala Ser Leu Asn Leu Glu Glu Thr Leu Ser Thr Leu Glu Tyr
                   340                    345                    350
Ala His Arg Ala Lys Asn Ile Leu Asn Lys Pro Glu Val Asn Gln Lys
        355                    360                    365
```